Work Orde Wednesday, Jam			PM				*						Page 1
Revision ID:	D3220-041  Doubler Asser	mbly			Accept					Setup	Start Stop		
	1/5/2011	Start Q	ty: 5.00 2ty: 5.00	1 (4415) 4 (1) 164 1 (4416) 4 (1) 144		Cust Item 1 Customer:	ID:				Stop		
Approvals:	Process Pla	n:	M	Date:	Tooling: SPC (Y/N):		ate:			Run	Start Stop		
Sequence ID/ Work Center II		Operatio Descripti			Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp
Draw Nbr		ision Nbr											
D3220 100 Waterjet FLOW CNC Waterje		FLOW WA	Memo	_B	0.00 0.00 Dwg Rev:				HB1	i(-1-	6	(	(a)
QC Quality Control		QC2- Inspe	ect parts off n	nachine FAI/FAIB	0.00				HB11	-1-6	<u> </u>		
120 QC Quality Control		QC8- Inspe	ect parts - sec	ond check	0.00 Sali	lub			_{46	) <u>.</u>			

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W/O:			WO	RK ORDER CHANGI	ES				<del></del>
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Categ	jory:	NCR: Yes	No <b>DQ</b>	A:	_ Date: _	
	Res	olution:	Disposition	1:	_ QA: N/C (	Closed:		Date: _	
NCR:		,	WORK ORDE	R NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat	&   Sect	ion C	Chief Eng	QC Inspector
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Work Orde Wednesday, Jan									-	-		Page 2
Item ID: Revision ID:	D3220-041			Accept					-	Start		
Item Name: Start Date: Required Date: Reference:	Doubler Asse 1/5/2011 1/14/2011	Start Qty: 5.00 Req'd Qty: 5.00			Cust Item I Customer:	ID:				Stop		
Approvals:	Process Pla	an:	Date:	Tooling: SPC (Y/N):		ate:				Start Stop		
Sequence ID/ Work Center II 130	)	Operation Description Small Fab		Set Up/ Run Hours 0.00	Tool ID	Tool #	Plan Code	Accept Qty	t Reject Qty		Reject Iumber	Insp. Stamp
Small Fab Small Fab		<b>Memo</b> 1-Deburr 2-C'sink D3	220-1 as per Dwg D3220	0.00				<del></del>		<i>1_70</i>	E	/
140		QC5- Inspect part compl	eteness to step on W/O	0.00	1							



Quality Control

0.00 D worls

-041

150



Hand Finishing

Chemical Conversion Coat per QSI005 4.1

0.00 =) } 11/01/10

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Memo

Memo

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W/O:			WO	RK ORDER CHANG	GES				
DATE	STEP	PRO	CEDURE CHAN	GE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Categ	ory:	NCR: Yes	No <b>DQ</b>	A:	_ Date: _	
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NCR:			WORK ORDE	R NON-CONFORM	IANCE (NC	R)			
DATE	CTED	Description of NC			ction B	Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat		tion C	Chief Eng	QC Inspector
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#### Work Order ID 65001

Wednesday, January 05, 2011 1:25:22 PM



Page 3

Item ID:

D3220-041

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

Required Date: 1/14/2011

Doubler Assembly

**Start Date:** 

1/5/2011

OC:

Start Oty: 5.00

Req'd Oty: 5.00

Date:

**Cust Item ID: Customer:** 

Reference:

Approvals:

Process Plan:

Date:

Tooling:

SPC (Y/N):

Date: Date: Run

Start

Stop



Sequence ID/ Work Center ID

160

Quality Control

**Operation** Description

QC3- Inspect Part Finish

Memo

Set Up/ **Run Hours** 

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Oty

Reject Number Stamp

Insp.

170

Small Fab Small Fab

Small Fab

Memo

Memo

0.00

0.00

Assemble D3220-041 doubler as per Dwg D3220

180

Quality Control

QC5- Inspect part completeness to step on W/O

-011

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W/O:			W	ORK ORDER CHANGE	S				
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cat	egory:	NCR: Yes	No <b>DQ</b>	<b>A</b> :	Date: _	
	R	esolution:	Dispositi	on:	QA: N/C Clo	osed:		Date: _	
NCR:			WORK ORI	DER NON-CONFORMA	NCE (NCR	)			
DATE	OTED	Description of NC		Corrective Action Section		Verific	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		ion C	Chief Eng	QC Inspector
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#### Work Order ID 65001

Wednesday, January 05, 2011 1:25:22 PM



Page 4

Item ID:

D3220-041

Accept

Setup Start

Stop



**Revision ID:** 

**Item Name:** 

Doubler Assembly

**Start Date:** 

Required Date: 1/14/2011

1/5/2011

QC:

Start Qty: 5.00

Req'd Qty: 5.00



Cust Item ID:

**Customer:** 

Reference:

Approvals:

Process Plan:

Date: Date:

Tooling:

SPC (Y/N):

Set Up/

**Run Hours** 

Date:

Date:

Start Run

Stop

Sequence ID/ Work Center ID

190

Packaging Packaging

Operation Description

Identify as per dwg & Stock Location:

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

200

Quality Control

Memo

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

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W/O:	-		WO	<b>RK ORDER CHANG</b>	ES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #:							
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NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCI	₹)			
DATE	STEP	Description of NC			ion B	Verification	cation	Approval	Approval
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#### **Picklist Print**

Wednesday, January 05, 2011 1:25:26 PM

Work Order ID: 65001

Parent Item:

D3220-041

Parent Item Name: Doubler Assembly



Start Date: 1/5/2011

Required Date: 1/14/2011

Page 1

Start Qty: 5.00

Required Qty: 5.00

**Comments:** 

IPP Rev:A New Issue 05-11-06 JLM

IPP: B 06.11.15 waterjet

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M2024T3S.050		Purchased	No			100	sf	81.3847	0.6926	3.645263	L1-1-	.Z -6	
2021 13 :000 sneet				Location MAT22	111381 113189 114968	1 0.:	<b>Qty</b> 3847 1.89 3947 69.1	Loc Code		114698		(	
MS20426AD3-3		Purchased	No		114700	170	Each	3,717.000		40	[/o1]	/19	
				Location ST316	19099		<u>Otv</u> 3717 3717	Loc Code		48			
MS21059L4		Purchased	No	,		170	Each	28.0000		20	, /01	/19	
				<u>Location</u>		Loc		Loc Code		′			
				ST301	114718		28 28		_	9 M	1165	82 (	150

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W/O:			WC	ORK ORDER CHAN	GES		_			,
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<u>.</u>										
Part No	) <b>:</b>	PAR #:	Fault Cate	gory:	NCR: `	Yes N	o DQ	<b>A</b> :	_ Date: _	
	R	esolution:	Dispositio	n:	QA: N/	C Clos	sed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORM	MANCE (	VCR)				
DATE	STEP	Description of NC			ection B	• •	Verific	ation	Approval	Approval
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng		ign & Date	Secti	on C	Chief Eng	QC Inspector
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DART AEROSPACE LTD	Work Order:	45001
Description: Doubler	Part Number:	D3220-1
Inspection Dwg: D3220 Rev: B		Page 1 of 1

# FIRST ARTICLE INSPECTION CHECKLIST

X	First Article		Prototype
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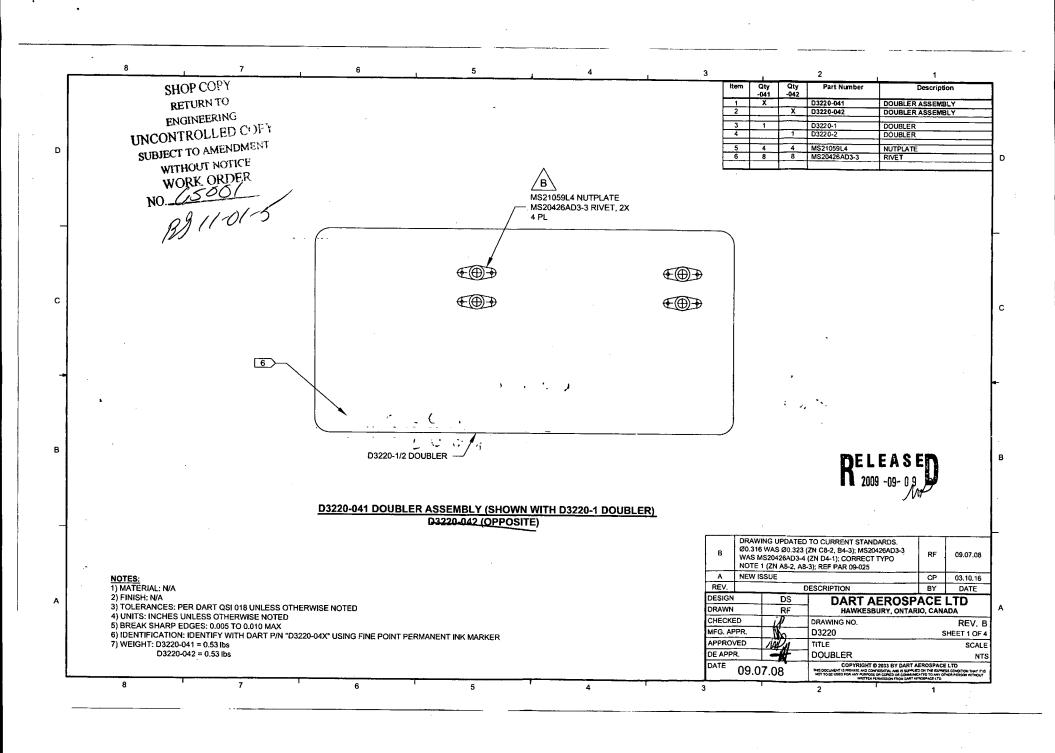
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
5.50	+/-0.030	5,50	8		V 1802	
14.25	+/-0.030	14.75	80		7 BOI	
R0.50	+/-0.030	,50	V		R.G	
7.00	+/-0.030	7.006	820		J	
7.000	+/-0.005	7,600	2		V	
1.50	+/-0.030	1,498	8		V	
1.000	+/-0.005	1.000	8		V	
0.500	+/-0.005	,500	<b>J</b>		V	
1.000	+/-0.005	1.001	8		V	
0.316	+0.005/-0.000	.319	*		1/	
0.098	+0.005/-0.000	105	×		V	· · · · · · · · · · · · · · · · · · ·
0.050 thick	+/-0.005	1044	kt.		V	
Grain Direction	N/A		×			
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Measured by:	B	Audited by:	8:	Prototype Approval:	N/A
Date:	11-1-6	Date:	11/01/06	Date:	N/A

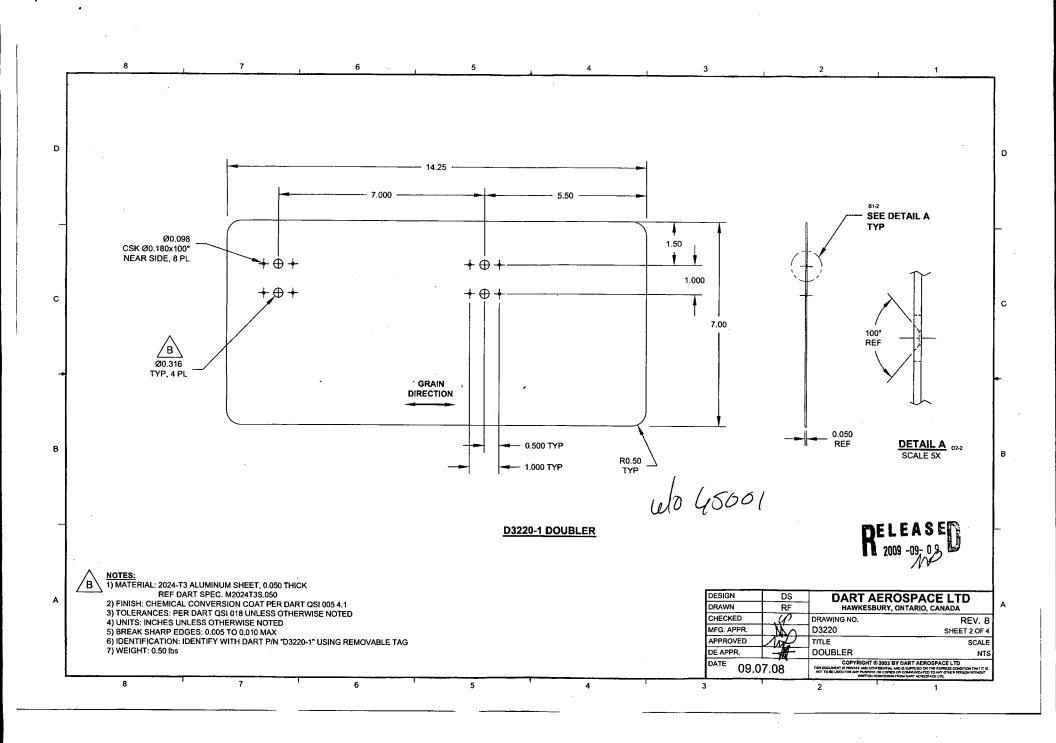
Rev	Date	Change		 Revise	d by	Approved
Α	04.02.27	New Issue	P/O D3220-041	KJ/RF	1,	N.
В	10.02.02	Dwg Rev updated		 KJ	98-	M

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DATE	STEP	Description of NC	Corrective Action Section B			Verificati			Approval	Approval		
DATE	SIEF	Section A	Initial Chief Eng			Sign & Date	Section C		Chief Eng	QC Inspector		

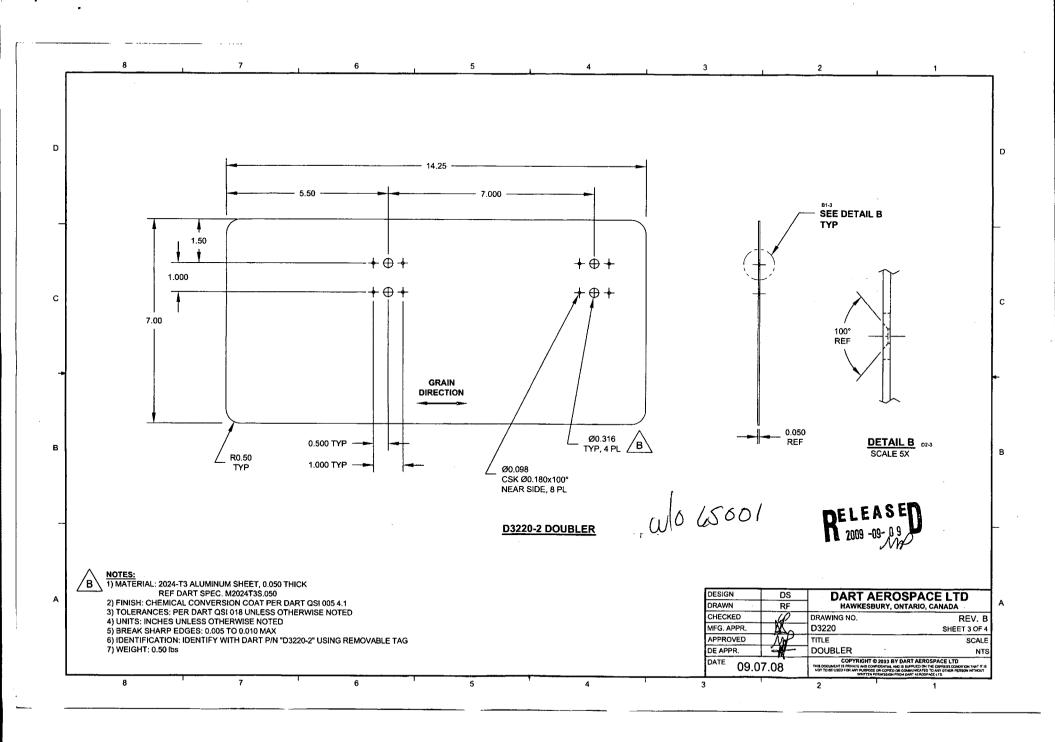
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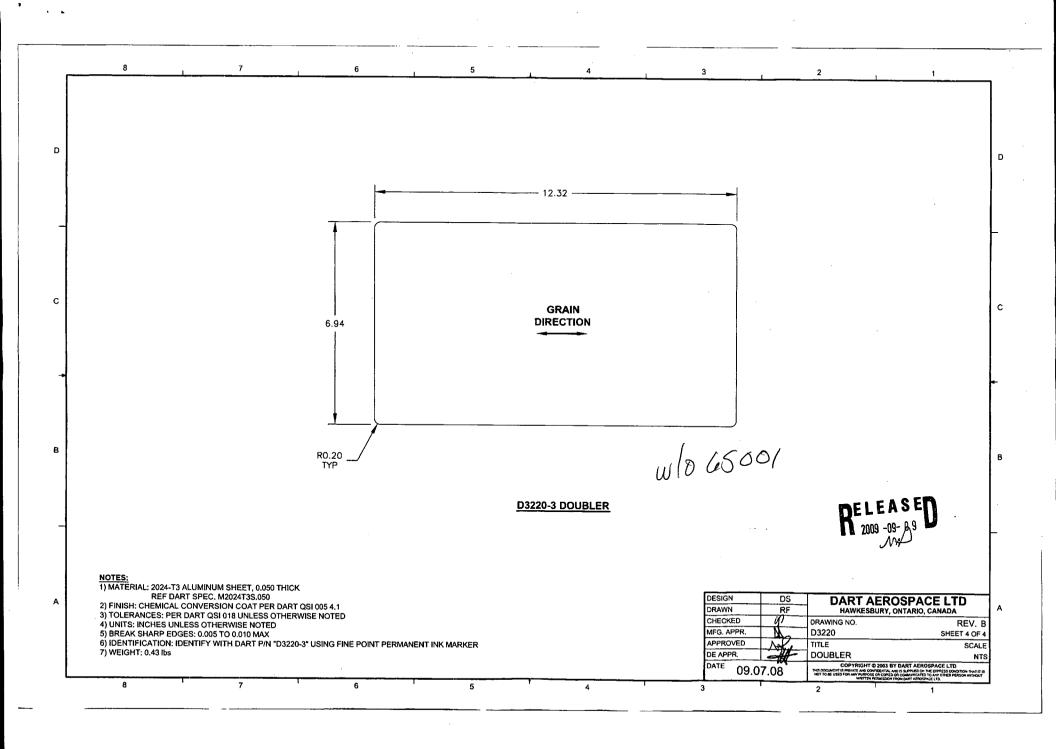
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Resolution:			Disposition:			_ QA: N/C Closed: Date:						
NCR:		V	VORK OR	DER NON-CONFORMA	NCE (N	CR)						
DATE	STEP	Description of NC		on B Sign &		Verification	Approval					
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NOTE: Date & initial all entries

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A.F.